ELSEVIER

Volume 180, Numbers 1–2, January 1995

WEAR

Contents

Chemisorption of diatomic gas molecules and atmospheric characteristics in adhesive wear and friction of metals. . . . 1
H. Mishina (Saitama, Japan)

Macro and microtribological studies of CrO_2 video tapes 9
B. Bhushan, V.N. Koinkar (Columbus, OH, USA)

Generalized fractal analysis and its applications to engineering surfaces 17
S. Ganti, B. Bhushan (Columbus, OH, USA)

Effect of microstructure on erosive wear behavior of SiC ceramics 35
D.F. Wang, J.H. She, Z.Y. Ma (Hangzhou, China)

The influence of humidity on the fretting behaviour of PVD TiN coatings 43
H. Mohrbacher, B. Blanpain, J.-P. Celis, J.R. Roos (Leuven, Belgium)

Tool wear monitoring in drilling using force signals 53
S.C. Lin, C.J. Ting (Hsinchu, Taiwan)

Comparison of the wear behaviour of six bearing materials for a heavily loaded sliding system in seawater 61
P. De Baets (Gent, Belgium)

The friction and wear of automotive grey cast iron under dry sliding conditions
Part 1—relationships between wear loss and testing parameters 73
M. Terheci, R.R. Manory, J.H. Hensler (Melbourne, Vic., Australia)

The steady state wear behaviour of pearlitic rail steel under dry rolling–sliding contact conditions 79
W.R. Tyfour, J.H. Beynon, A. Kapoor (Leicester, UK)

Relationship between the effects of velocity and alloy corrosion resistance in erosion–corrosion environments at elevated temperatures 91
M.M. Stack, J. Chacon-Nava, F.H. Stott (Manchester, UK)

Biographic Notes 101

Author Index of Volume 180 103

Subject Index of Volume 180 105

The publisher encourages the submission of articles in electronic form thus saving time and avoiding rekeying errors. A leaflet describing our requirements is available from the publisher upon request.

Elsevier Science S.A.